



**4 & 8 CHANNEL
AUDIO-VIDEO
SWITCHERS WITH UP TO
FOUR INDEPENDENT
OUTPUTS**

**AV64, AMP 64,
AV64AMP, AV68, AMP68.
ALARM OPTION AL68.**

The AV range of audio-video switchers provides the operator with the facility to switch between cameras with audio by the use of the RC64 4 way or RC68 8 way handset, or combinations of both.

Up to four independently controlled audio monitors may be viewed and each controller can be alarmed by the use of the AL68 alarm card. Auto sequencing is overridden when an alarm is triggered thereby automatically switching to the camera and its audio source in the alarmed state. The alarmed camera will be overridden should a second alarm be triggered and will run for preset period of between 15 and 45 seconds nominal. Alternatively a second option is available whereby the switcher will only reset to auto sequence mode once the alarm has been manually reset. A free contact relay is provided for triggering a VCR/external alarm/light, etc.

Nortek audio-video switchers provide line level audio inputs and are intended for use with cameras which have internal microphones. Some microphones are available which have pre-amplifiers included; this type of microphone can be connected directly to the audio-video switcher.

If separate microphones are to be connected to the audio-video switchers, a microphone pre-amplifier, AMP64 or AMP68 is required. The inputs of these microphone pre-amplifiers can be individually configured to accept balanced or unbalanced, powered or non-powered microphones. The microphone pre-amplifier can provide microphone power thereby eliminating the need for separate power supplies or batteries.

- 4 & 8 CAMERA INPUTS
- UP TO 4 MONITORS
OUTPUTS
- ALARM OPTION
- RACK MOUNT OPTION

AV60 Range

AV64 and AV68 Specifications:

| | |
|-----------------|---|
| Size | L280mm W185 H60 |
| Power Supply | 220-240Vac, 50-60Hz, 6W (110V available) |
| Connections | Removable Terminal Blocks. |
| Video Inputs | 75Ω Terminated, 1V pk-pk, Mono or Colour. |
| Video Outputs | 1V pk-pk, Unity gain. |
| Audio Inputs | 1V pk-pk, 1 KΩ, Potentiometer provided for attenuation on each input. |
| Audio Outputs | 1V pk-pk, Unity Gain. |
| Audio Bandwidth | 20Hz-20KHz |

AMP64 and AMP68 Specifications:

| | | |
|--------------------|--|--|
| Size | AMP64 N/A (Fits into AV64 box with AV64 PCB) | AMP68 L280mm W185 H60 |
| Power Supply | AMP64 Powered by AV64 | AMP68 220-240Vac, 50-60 Hz, <6W (110V available) |
| Connections | Removable Terminal Blocks. | |
| Microphone Inputs | Inputs individually configurable for balanced or unbalanced microphones. | |
| Microphone Power | 0V, 2.5V, 5V, 12V or external up to 50V for each input. *Combinations of voltages possible for both balanced and unbalanced microphones. | |
| Operating Distance | A distance of 200m may be achieved between microphone and the AV unit | |
| Gain | 10 - 1000 (20 - 60dB) Adjustable. | |
| Outputs | 1V pk-pk max. AMP68 connected to AV68 via ribbon cable. (not supplied) | |
| Audio Bandwidth | 20Hz-20KHz | |

*depends on build

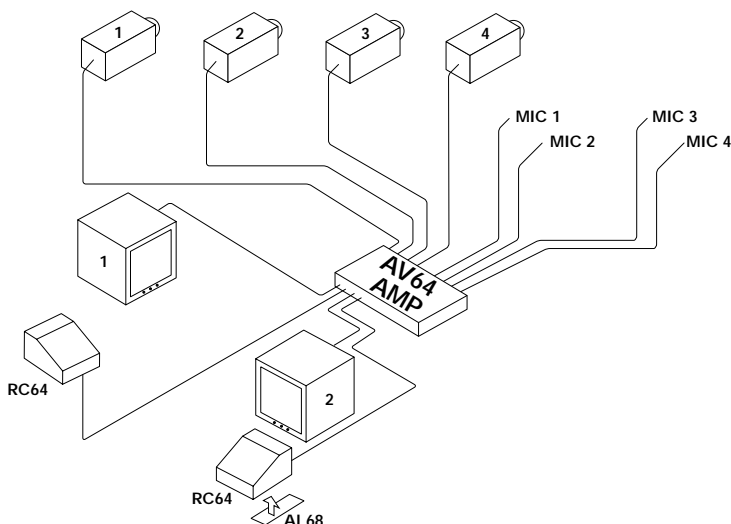
Selection Chart - Remote Controllers (requires one AV Switchers)

RC64-4 camera handset - optional alarm PCB,AL68 (plugs into handset)

RC68-8 camera handset - optional alarm PCB,AL68 (plugs into handset)

Selection Chart - Audio Video Switcher (requires at least one Remote Controller)

- AV64 4 cameras with audio sources - 2 monitor outputs.
 - AV68 8 cameras with audio sources - 4 monitor outputs.
 - AMP64 4 channel microphone pre-amp PCB - plugs into AV64*
 - AMP68 8 channel microphone pre-amp
- *AV64AMP combination of AV64 and AMP64



NORTEK 4 WAY REMOTE SYSTEM

Diagram shows 4 cameras independently controlled by 2 remote controllers (RC64).

All video and audio terminations are to the central audio/video switcher AV64AMP.

Each RC64 controller may be alarmed via the AL68 alarm PCB which will switch the associated monitor to the camera in the alarmed state.

Nortek has a policy of continuous development and reserves the right to alter specifications without notice.